

# **citruscdf**

February 3, 2010

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citruscdf                      *citruscdf*

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## **Description**

environment describing the CDF file

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citrusdim                      *citrusdim*

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## **Description**

environment describing the CDF dimensions

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*i2xy*                              *Convert (x,y)-coordinates to single-number indices and back.*

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## **Description**

Convert (x,y)-coordinates on the chip (and in the CEL file) to the single-number indices used in AffyBatch and CDF environment, and back.

## **Usage**

*i2xy*(i)  
*xy2i*(x, y)

## **Arguments**

x                      numeric. x-coordinate (from 1 to 984)  
y                      numeric. y-coordinate (from 1 to 984)  
i                      numeric. single-number index (from 1 to 968256)

**Details**

Type `i2xy` and `xy2i` at the **R** prompt to view the function definitions.

**See Also**

[citruscdf](#)

**Examples**

```
xy2i(5,5)
i      = 1:(984*984)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

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